# This Page Is Inserted by IFW Operations and is not a part of the Official Record

# **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

# IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.





PATENT APPLICATION
Atty. Docket No. 37998XGB

Attorney Docket Nos. 10082US14; DN37998XG

## DECLARATION FOR PATENT APPLICATION

As a below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HIERARCHICAL DATA COLLECTION NETWORK SUPPORTING PACKETIZED VOICE COMMUNICATIONS AMONG WIRELESS TERMINALS AND TELEPHONES, the specification attached herewith, or as filed on October 5, 1995 as Application No. 08/539,817.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

•	
	Contract of the Contract of th

OB/487,609 (Application No.)	06/07/95 (Filing Date)	Pending (Status-patented, pending, abandoned)
(Application No.)	07/22/94 (Filing Date)	(Status-patented, pending, abandoned)
PCT/US94/05037 PCT (Number) (Count	May 6, 1994 (Day/Month/Year/F	X Yes No
(Application No.)	04/29/94 (filing Date)	(Status-patented, pending, abandoned)
(Application No.)	02/22/94 (Filing Date)	Pending (Status-patented, pending, abandoned)
08/198,452 (Application No.)	02/18/94 (Filing Date)	Abandoned (Status-patented, pending, abandoned)
DB/197,386 (Application No.)	(Filing Date)	Abandoned (Status-patented, pending, abandoned)
PCT/US93/12628 PCT (Number) (Coun	December 23, 1993 try)(Day/Month/Year/Fi	X Yes _ No
08/168,478 (Application No.)	12/16/93 (Filing Date)	Abandoned (\$tatus-patented, pending, abandoned)
08/147,377 (Application No.)	11/03/93 (Filing Date)	Abandoned (Status-patented, pending, sbandoned)
08/101,254 (Application No.)	OB/03/93 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
08/085,662 (Application No.)	06/29/93 (Nailing Date)	Abandoned (Status-patented, pending, abandoned)
D8/076,340 (Application No.)	06/11/93 (Mailing Date)	(Status-patented, pending, abandoned)
08/062,457 (Application No.)	05/11/93 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
08/027,140 (Application No.)	03/05/93 (Filing Date)	Pending (Status-patented, pending, abandoned)
07/997,693 (Application No.)	12/23/92 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
07/982.292 (Application No.)	11/27/92 (Hailing Date)	Abandoned (Status-patented, pending, abandoned)
07/700,706 (Application No.)	05/14/91 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
07/699,818 (Application No.)	05/13/91 (Mailing Date)	(Status-patented, pending, abandoned)
08/205,639 (Application No.)	03/04/94 (Mailing Date)	Pending . (Status-patented, pending, abandoned)
07/755,128 (Application No.)	07/22/91 (Mailing Date)	Pending (Status-patented, pending, abandoned)
07/467,096 (Application No.)	01/18/90 (Mailing Date)	Patented (Status-patented, pending, sbandoned)
08/275,821 (Application No.)	06/10/94 (Mailing Date)	Pending (Status-patented, pending, abandoned)

Page 2 of 6

	06/30/92	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
08/267,758	07/05/94	Pending
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
AT 1871 771	04/28/94	Pending
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
-D	03/18/92	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
	07/25/90	Abandoned
07/558,895 (Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
	05/25/90	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
	05/03/89	Abandoned
07/347,602 (Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
AR 5715 TM	05/02/89	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
	04/28/89	Abandoned
07/345,200 (Application No.)	(Mailing Date)	(Status-patented, pending, shandoned)
	01/31/89	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
	08/21/91	Patented
07/748,150 (Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)

We hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, the following:

Christopher C. Winslade	Reg. No. 36,308
John S. Artz	Reg. No. 36,431
Gregory C. Schodde	Reg. No. 36,668
Edward A. Mas	Reg. No. 37,179
Patrick J. Arnold	Reg. No. P-37,769

(Of McAndrews, Held & Malloy, Ltd., Suite 3400, 500 West Madison Street, Chicago, Illinois 60661; Telephone (312) 707-8889.)

Van Metre Lund (Of Northbrook, Illinois)	Reg. No. 16,968
R. Lewis Gable (Of 2001 Jefferson Davis Highway, Arlington, VA 22202)	Reg. No. 22,470
John H. Sherman	Reg. No. 16,909
Winfrid O.E. Schellin (Of Cedar Rapids, Iowa)	Reg. No. 25,916
Sean Patrick Suiter (of Omaha, NE)	Reg. No. 34,260
H. Robert Henderson (Of Des Moines, IA)	Reg. No. 18,486
Michael O. Sturm (Of Des Moines, IA)	Reg. No. 26,078
John E. Cepican (Of Davenport, IA)	Reg. No. 26,851
Richard L. Fix (Of Des Moines, IA)	Reg. No. 28,297
William H. Wright (Of Washington, D.C.)	Reg. No. 26,424
Harold M. Knoth (Of Davenport, IA)	Reg. No. 14,469

Address all telephone calls to William M. Wesley at telephone mimber (312) 707-8889, and

Address all correspondence to:

McAndrews, Held & Malloy, Ltd. 500 West Madison Street 34th Floor Chicago, Illinois 60661

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1991 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor (given name, family name):		
Inventor's signature: Joseph J. Rubler		
(Joseth J. Kubler		
//500841 09/111111		
$\mathcal{O}$		

Date: Dec. 21, 1995\_\_\_\_

Residence: Boulder, CO 80301

Citizenship: USA

Post Office Address: 4264 Redwood Place

Boulder, CO 80301

Full name of second joint inventor (given name, family name):	MICHAEL D. MORRIS	
Second Inventor's signature:		
Michael D. Morris		
Date:		
Residence: Cedar Rapids, Iowa 52	403	
Citizenship: USA		

Post Office Address: 335 Trailridge Rd. S.E.

Cedar Rapids, Iowa 52403

Attorney Docket Nos. 10082US14; DN37998XG

#### DECLARATION FOR PATENT APPLICATION

As a below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HIERARCHICAL DATA COLLECTIONNETWORK SUPPORTING PACKETIZED VOICE COMMUNICATIONS AMONG WIRELESS TERMINALS AND TELEPHONES, the specification attached herewith, or as filed on October 5, 1995 as Application No. 108/539,817.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

08/487,609 (Application No.)	06/07/95 (Filing Date)	Pending (Status-patented, pending, abandoned)
08/279,148 (Application No.)	07/22/94 (Filing Date)	Pending (Status-patented, pending, abandoned)
PCT/US94/05037 PCT (Number) (Country	May 6, 1994  (Day/Honth/Year/Fi	X Yes No
08/236,413 (Application No.)	04/29/94 (Filing Date)	Pending (Status-patented, pending, abandoned)
08/198,404 (Application No.)	02/22/94 (Filing Date)	Pending (Status-patented, pending, abandoned)
08/198,452 (Application No.)	02/18/94 (Filing Date)	Abandoned (Status-patented, pending, abandoned)
08/197,386 (Application No.)	02/16/94 (Filing Date)	Abandoned (Status-patented, pending, abandoned)
PCT/US93/12628 PCT (Number) (Country	December 23, 1993 )(Day/Honth/Year/Fil	X_Yes No .
08/168,478 (Application No.)	12/16/93 (Filing Date)	Abandoned (Status-patented, pending, abandoned)
08/147,377 (Application No.)	11/03/93 (Filing Date)	Abandoned (Status-patented, pending, abandoned)
08/101,254 (Application No.)	08/03/93 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
08/085,662 (Application No.)	06/29/93 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
08/076,340 (Application No.)	06/11/93 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
08/062,457 (Application No.)	05/11/93 (Mailing Date)	Abandoned (Status-patented, pending, abandoned)
08/027,140 (Application No.)	03/05/93 (Filing Date)	Pending (Status-patented, pending, abandoned)
07/997,693 (Application No.)	12/23/92 (Mailing Date)	Abandoned
07/982,292	11/27/92	(Status-patented, pending, abandoned)  Abandoned
(Application No.) 07/700,704	(Mailing Date) 05/14/91	(Status-patented, pending, abandoned)  Abandoned
(Application No.) 07/699,818	(Mailing Date) 05/13/91	(Status-patented, pending, abandoned)  Abandoned
(Application No.) 08/205,639	(Mailing Date) 03/04/94	(Status-patented, pending, abandoned) Pending
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
07/735,128 (Application No.)	07/22/91 (Mailing Date)	Pending (Status-patented, pending, abandoned)
07/467,096 (Application No.)	01/18/90 (Mailing Date)	(Status-patented, pending, abandoned)
08/275,821 (Application No.)	<u>D6/10/94</u> (Mailing Date)	Pending (Status-patented, pending, abandoned)

07/876.629	06/30/92	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
08/267,758	07/05/94	Pending
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
07/876.776	04/28/94	Pending
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
07/854,115	03/18/92	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
(ifficiation may)	(illiting bott)	(states between burnes)
07/558,895	07/25/90	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
• •		• • • • • • • • • • • • • • • • • • • •
07/529,353	05/25/90	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
07/347,602	05/03/89	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
07/345.771	05/02/89	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
(Application No.)	(marting pate)	(Status-patented, peroning, abandoned)
07/345,200	04/28/89	Abandoned
(Application No.)	(Kailing Date)	(Status-patented, pending, abandoned)
• • •		
07/305,302	01/31/89	Abandoned
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)
		_
07/748,150	08/21/91	Patented
(Application No.)	(Mailing Date)	(Status-patented, pending, abandoned)

We hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, the following:

George P. McAndrews	Reg. No. 22,760
John J. Held, Jr.	Reg. No. 21,061
Timothy J. Malloy	Reg. No. 25,600
William M. Wesley	Reg. No. 26,521
Lawrence M. Jarvis	Reg. No. 27,341
Robert C. Ryan	Reg. No. 29,343
Gregory J. Vogler	Reg. No. 31,313
Donald J. Pochopien	Reg. No. 32,167
Herbert D. Hart III	Reg. No. 30,063
Robert W. Fieseler	Reg. No. 31,826
Jean Dudek Kuelper	Reg. No. 30,171
D. David Hill	Reg. No. 35,543
Donald P. Reynolds	Reg. No. 26,220
Thomas J. Wimbiscus	Reg. No. 36,059
Steven J. Hampton	Reg. No. 33,707
Alejandro Menchaca	Reg. No. 34,389
Priscilla F. Gallagher	Reg. No. 32,223
Robert B. Polit	Reg. No 33,993
George Wheeler	Reg. No. 28,766

Christopher C. Winslade	Reg. No. 36,308
John S. Artz	Reg. No. 36,431
Gregory C. Schodde	Reg. No. 36,668
Edward A. Mas	Reg. No. 37,179
Patrick J. Arnold	Reg. No. P-37,769

(Of McAndrews, Held & Malloy, Ltd., Suite 3400, 500 West Madison Street, Chicago, Illinois 60661; Telephone (312) 707-8889.)

Van Metre Lund (Of Northbrook, Illinois)	Reg. No. 16,968
R. Lewis Gable (Of 2001 Jefferson Davis Highway, Arlington, VA 22202)	Reg. No. 22,479
John H. Sherman	Reg. No. 16,909
Winfrid O.E. Schellin (Of Cedar Rapids, Iowa)	Reg. No. 25,916
Sean Patrick Suiter (of Omaha,NE)	Reg. No. 34,260
H. Robert Henderson (Of Des Moines, IA)	Reg. No. 18,486
Michael O. Sturm (Of Des Moines, IA)	Reg. No. 26,078
John E. Cepican (Of Davenport, IA)	Reg. No. 26,851
Richard L. Fix (Of Des Moines, IA)	Reg. No. 28,297
William H. Wright (Of Washington, D.C.)	Reg. No. 26,424
Harold M. Knoth (Of Davenport, IA)	Reg. No. 14,469

Address all telephone calls to William M. Wesley at telephone number (312) 707-8889, and Address all correspondence to:

McAndrews, Held & Malloy, Ltd. 500 West Madison Street 34th Floor Chicago, Illinois 60661

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor
(given name, family name):JOSEPH J. KUBLER
Inventor's signature:  Joseph J. Kubler
• ***
Date: <u>Dec.</u> , 1995
Residence: Boulder, CO 80301
Citizenship: USA
Post Office Address: 4264 Redwood Place

Boulder, CO 80301

Full name of second joint inver	
(given name, family name):	MICHAEL D. MORRIS
Second Inventor's signature:	Michael D. Morris
12/21/20	

Date: 12/21/95

Residence: Cedar Rapids, Iowa 52403

Citizenship: USA

Post Office Address: 335 Trailridge Rd. S.E.

Cedar Rapids, Iowa 52403



### **ASSISTANT COMMISSIONER FOR PATENTS**

Sir: Please place the USPTO receipt stamp hereon and		
place in outgoing mail to acknowledge receipt of:		
Docket No: 14364 US/1 - 1772		
Applicant: [ KUBLER, ot al		
Serial No.: unassigned		
Filed: herewith		
X Transmittal Form		
x Fee \$ 1022 chech		
✓ Patent Application including:		
Page(s) Cover Sheet		
3 <u>2</u> 0 Page(s) Specification		
→ Page(s) Claims # → Page(s) The Page (s) The Page (		
Page(s) Drawings Formal Informal		
Řesponse to Notice of Missing Parts		
Declaration & POA 12 PP. Signed Unsigned		
Declaration & POA /2 PP. Signed Unsigned  Amendment 7 Page(s) Prelim (34 claims)		
Assignment Page(s) Cover SheetPage(s)		
— IDS with PTO-1449 Page(s)		
Cited References		
× Other Fee Form x mittel (19.) × POA by drignes of Entire Interest.		
× POA ly assignes of Entire Interesting		
$=$ $(27 \rho \rho)$		
Certificate of Mailing as dated below		
✓ Certificate of Express Mailing as dated below		
Express Mail Label No. EV304936033		
Dated: 11/12/03		
Respectfully: McANDREWS, HELD & MALLOY, LTD.		
Attorneys for Applicant		
ICK PB		



NOV 25 2003

MCANDREWS, HELD & MALLOY, LTD. 34TH FLOOR

500 WEST MADISON STREET CHICAGO, ILLINOIS 60661